

Sheet 1 of 1 ATTORNEY DOCKET NO. FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 1293.1073C2 10/756,422 FIRST NAMED INVENTOR LIST OF REFERENCES CITED BY APPLICANT Seong-jin MOON et al. FILING DATE GROUP ART UNIT (Use several sheets if necessary) 2815 ントン/ January 14, 2004 **U.S. PATENT DOCUMENTS** \*EXAMINER DOCUMENT SUB-**FILING** INITIAL NO. **CLASS** DATE **CLASS** DATE NAME AA AB AC AD AE AF FOREIGN PATENT DOCUMENTS DOCUMENT NO. **ABSTRACT** DATE COUNTRY **TRANSLATION** YES NO AG JP 6-67945 03/1994 Japan X AH ΑI ΑJ ΑK AL **TRANSLATION** OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) YES NO Office Action issued in Japanese Patent Application no. 2002-228014 on (2700) AM September 6, 2005 **EXAMINER** DATE CONSIDERED CHRISTOPHER \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



HADE		Sheet <u>1</u> of <u>1</u>		
U.S. DEPARTMENT OF COMMERCE	ATTORNEY DOCKET NO.	APPLICATION NO.		
PATENT AND TRADEMARK OFFICE	1293.1073C2	10/756,422		
	FIRST NAMED INVENTOR			
CES CITED BY APPLICANT	Seong-jin MOON et al.			
and the sale of the sale of the	FILING DATE	GROUP ART UNIT		
al sneets if necessary)	January 14, 2004	2622 262/		
	U.S. DEPARTMENT OF COMMERCE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  ICES CITED BY APPLICANT  Seong-jin MOON et a FILING DATE		

**U.S. PATENT DOCUMENTS** 

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
(gus)	AA	6,009,234	12/1999	Taira et al.			
	AB						
	AC		<del> </del>				<del></del>
	ΑD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
1000	AG	EP 0571515	1/2/1997	European		
	AH	JP 63-079287	04/1988	Japan		Х
	Al	JP 09-017127	01/1997	Japan		Х
1000	AJ	JP 10-050034	02/1998	Japan		Х
	AK			Ŷ		
	AL					

OTHER RE	TRANSI YES	ATION NO		
Resi	AM	Office Action issued in Japanese Patent Application No. 11-179073, on February 7, 2006		

EXAMINER	DATE CONSIDERED					
CHRISTOPHER ONLAKU	10/3/06					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through						



## EXPLANATION OF RELEVANCY OF REFERENCES

	ATTACHMENT 1(e)
ATTORNEY DOCKET NO.	APPLICATION NO.
1293.1073C2	10/756,422
FIRST NAMED INVENTOR	
Seong-jin MOON et al.	
FILING DATE	GROUP ART UNIT
January 14, 2004	2622 3/2

• Reference AI (JP 9-17127) is substantially equivalent to Reference AG (EP 0751515).

Reference AJ (JP 10-050034) is substantially equivalent to Reference AA (US 6,009,234).

CARISTOPHER

Daraky

10/3/06



#### LIST OF COPENDING APPLICATIONS

	ATTACHMENT 1(f)
ATTORNEY DOCKET NO.	APPLICATION NO.
1293.1073C2	10/756,422
FIRST NAMED INVENTOR	
Seong-jin MOON et al.	
FILING DATE	GROUPARTUNIT
January 14, 2004	28225 7621

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS** 

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE			
600	1	11/281,491	11/18/2005	Seong-Jin MOON et al.	Samsung Electronics Co., Ltd.			
	2			·				
	3							
	4							
	5							
	6							
	7							
	8			·				

EXAMINER	DATE CONSIDERED					
CARISTOPHER ONUAKU	10/3/06					
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						



#### ATTACHMENT 1(g)

			W. DEN						IA	>UIAICIA	,, ,,	(8)
						ATTORNEY DOCI	KET NO.		AP	PLICATION	INO.	
LIST OF ADDITIONAL SUBMITTED						1293.10730			10	0/756,4	22	
						FIRST NAMED INVENTOR						
DOCUMENTS					Seong-jin M	IOON	et ai.		OUPART			
					January 14,	2004		-26	622-2621			
The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.												
same in the s	pace p	d that the Exami rovided adjacent o confirm such co	each such a	applica	ation and	that the Exar	cume niner :	nt(s) belo sign and	ow-li date	sted by e this fo	initi orm a	aling at
constitutes pestablished,	This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.											
			U.S. PA	TENT	DOCUM	IENTS						
*EXAMINER INITIAL		DOCUMENT NO.	DATE			NAME				SUB- LASS		ING ATE
620	AA	6,778,755 B1	08/17/200	4	Seong-	Jin MOON et al.						
buri	AB	6,873,785 B2	03/29/200	5	Seong-	Jin MOON et al.						
		·	FOREIGN	PATE	NT DOC	UMENTS						
		DOCUMENT NO.	DATE		COUN	TRY	CLAS	SS CLA		TRAN YES		NO NO
	AC											
	AD											
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  AE  TRANSLATION YES NO												
	·											
*EXAMINER	*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through											
citation it not i	u coutor	mance and not con	isiaerea. Incli	nae cot	by of this fo	orm with next co	mmun	ication to	appli	cant.		



d TR	DE									
						1 ATTORNEY DOC	VET NO		Sheet	1 of 1
FORM PTO-1	ORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				1293.1073C2				6,422	
						FIRST NAMED II			10// 5	0,722
LIST OF	LIST OF REFERENCES CITED BY APPLICANT						MOON et a			
}	(Us	se several sheets	if necessar	γ)		FILING DATE				ART UNIT
January 14, 2004							2 <del>615</del> 1	262/		
	U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NO.	DATE	NA NA	ME		CLASS		JB- ASS	FILING DATE
1 0	AA	5,838,967	11/1998	Okayama et a	1					
600	AB	5,659,745	08/1997	Inoue	<u>.</u>					
Jani	AC	<del> </del>								
600	AD	5,902,115	05/1999	Katayama						ļ
	AE									
	AF									
			EQDE:Q:				·			<del></del>
		DOCUMENT	FOREIGN	PATENT DOC	UN	IENTS				
		NO.	DATE	CC	1UC	INTRY TRANSL		LATION NO		ABSTRACT
1000	AG	6-76031	03/1994	Japan						Х
Paro	AH	4-188484	07/1992	Japan						Х
law	Al	8-339194	12/1996	Japan						Χ .
	AJ									
,	AK									
	AL									
<u> </u>		<u> </u>	,				<del>-!.</del>			
OTHER REF	EREN	ICES (Including	Author, Tit	le, Date, Pertin	en	t Pages, Etc	:.)			ANSLATION ES NO
	AM									
		<u> </u>								
EXAMINER				DATE		ONSIDERE				
	CHR156PHOR QUAKU 10/3/06									
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										



## EXPLANATIONS OF RELEVANCY OF REFERENCES

ATTACHMENT 1(e)

ATTORNEY DOCKET NO.

1293.1073C2

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

APPLICATION NO.

10/756,422

FILING DATE

January 14, 2004

book

1) U.S. Patent No. 5,838,967 corresponds to Japanese Patent Publication 6-76031.

2) U.S. Patent No. 5,659,745 corresponds to Japanese Patent Publication 4-188484.

3) U.S. Patent No. 5,902,115 corresponds to Japanese Patent Publication 8-339194.

CHRISTOHER

ORMAKU

10/3/06



### LIST OF COPENDING APPLICATIONS

	ATTACHMENT 1(f)
ATTORNEY DOCKET NO.	APPLICATION NO.
1293.1073C2	10/756,422
FIRST NAMED INVENTOR	
Seong-jin MOON et al.	
FILING DATE	GROUP ART UNIT
January 14, 2004	2645 26 21

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS** 

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
loss	1	10/756,421	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
1	2	10/945,946	09/22/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	3	10/842,690	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
4	4	10/842,440	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
less	5	10/756,423	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
`	6				
	7				
	8	_			

EXAMINER	DATE CONSIDERED .
CHRISCOPHER OKUAKU	10/3/06
*EXAMINER: Initial if document considered, whether or not citation if not in conformance and not considered. Include copy of	ation is in conformance with MPEP 609; Draw line through f this form with next communication to applicant.

	PARTES	OV 1 2 2004 B						Shoot	1 of 1
FORM PTO-	1449	U.S. [		OF COMMERCE	ATTORNEY DO	OCKET NO.	T	APPLICAT	1 of 1
	PATENT AND TRADEMARK OFFICE							10/756	6,422
LIST OF	REF	ERENCES C	ITED BY	APPLICANT	FIRST NAMED Seong-jir		et al.		
	(Us	se several sheets	s if necessar	v)	FILING DATE			GROUP A	-
					January '	14, 2004		2015	2421
		1	U.S. PA	TENT DOCUME	NTS	т			<del></del>
*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	·	CLAS		UB- ASS	FILING DATE
	AA	•			<u></u>				
	ĄB								
	AC								
	AD								
	AE							-	*
	AF	-9-							
- "			EOBEIGN	PATENT DOCUM	AENTO				
		DOCUMENT					SUB-		ANSLATION
,		NO.	DATE	COUNTR	RY .	CLASS	CLASS	S YI	ES NO
640	AG	753 854 A2	01/15/97	Europe		-			
<b>\</b>	AH	753 854 A3	01/15/97	Europe					
	Al	295 148	12/14/88	Europe					
	AJ	730 272 A2	09/04/96	Europe		<del></del>			
	AK	730 272 A3	09/04/96	Europe		<u></u>			
lovo	AL	737 974 A3	74 A3 10/16/96 Europe						
		050 (/ / //	,,,	2 . 2 2		· · · · · · · · · · · · · · · · · · ·	· ., ,	<u> </u>	I
OTHER REP	AM	CES (including A	lutnor, litle,	Date, Pertinent Pa	iges, Etc.)	·	<del> </del>		·
	AN		•						
	AN								
EXAMINER	)			I DATE (	ONSIDER	ED			
CHRIS	_	ARR 1	2 NY AKU		16/3/	,			
				or not citation is in o	101-1	<u> </u>	P 609· D	raw line	through
citation if not	in confo	rmance and not co	nsidered. Incl	de copy of this form	with next co	mmunicati	on to app	plicant.	



Sheet 1 of 1 ATTORNEY DOCKET NO. U.S. DEPARTMENT OF COMMERCE **FORM PTO-1449** PATENT AND TRADEMARK OFFICE 1293.1073C2 10/756,422 FIRST NAMED INVENTOR LIST OF REFERENCES CITED BY APPLICANT Seong-jin MOON et al. FILING DATE (Use several sheets if necessary) January 14, 2004 **U.S. PATENT DOCUMENTS** \*EXAMINER DOCUMENT SUB-**FILING** INITIAL NO. **CLASS** DATE DATE NAME **CLASS** FOREIGN PATENT DOCUMENTS DOCUMENT SUB-**TRANSLATION** NO. **CLASS** YES NO COUNTRY DATE **CLASS** AA EP737974A2 10/16/96 Europe N/A AB CN1177816A 4/1/98 China Abstract OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) English Language Chinese Office Action for Chinese Divisional Patent Application No. BA 01122435.5, dated June 11, 2004 (related to the present application) all **EXAMINER** DATE CONSIDERED CHASOMER \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

								Shee	t <u>1 of 2</u>	
FORM PTO-1	FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					OCKETNO.		APPLICAT	ION NO.	
LIST OF	REF	ERENCES CI	TED BY	APPLICANI	Seong-jin					
	· (Us	se several sheets	if necessar	y)	FILING DATE	loit		GROUP A	RT UNIT	
	U.S. PATENT DOCUMENTS									
EXAMINER	T	DOCUMENT			· · · · · · · · · · · · · · · · · · ·			UB-	FILING	
INITIAL		NO.	DATE	NAME		CLASS	S   CL	ASS	DATE	
(2,50	AA	6,047,103	4/2000	Yamauchi, et al.	<del></del>					
1	AB	4,703,369	10/1987	Moriyama, et al.		1				
	AC	6,088,507	7/2000	Yamauchi, et al.		-				
1	AD	6,148,138	11/2000	Sawabe, et al.		-	-			
boo	AE	6,332,194	12/2001	Bloom, et al.		<b> </b>		_		
			FOREIGN	I PATENT DOCUM	FNTS			-		
		DOCUMENT	T OILLO.				SUB-		NSLATION	
		NO.	DATE	COUNTR	RY	CLASS	CLASS	S YE	S NO	
640	AF	9-17127	1/17/97	Japan				_ Abs		
	AG	6-314176	11/8/94	Japan				Abs		
	AH	8-287654	11/1/96	Japan				Abs		
	Al	10-50034	2/20/98	Japan				Abs		
	AJ	10-92155	4/10/98	Japan				Abs		
	AK	10-143978	5/29/98	Japan				Abs	· · · · · · · · · · · · · · · · · · ·	
	AL	8-340507	12/24/96	Japan				Abs		
Coo	AM	EP 0965991 A1	12/22/99	Europe				_		
		1070 // -11		- D 4 D 4 1					TON ATION	
OTHER RE	OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)  TRANSLATION YES NO									
	AM .									
EYAMINER				DATEC	ONGIDED	<u> </u>				
EXAMINEN	EXAMINER DATE CONSIDERED									
CHRI		<del>' '                                  </del>	WAKY		0/3/0					
	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

							s	heet 2	of 2
FORM PTO-	1449	U.S. D PATEN	1293.107	93.1073C2			NO.		
LIST OF	LIST OF REFERENCES CITED BY APPLICANT  Seong-jin MOON et al.								
	(U:	se several sheets	if necessar	γ)	FILING DATE	104		ROUP ART U ユ6ク/	
	· · · · · · · · · · · · · · · · · · ·		U.S. P	ATENT DOCUME	NTS				
*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	<u>:</u>	CLASS	SUI S CLA		FILING DATE
		ļ	-						-
	-						_		
	<del>                                     </del>		-			<del> </del>			
	<del>                                     </del>						-		
<del></del>	1		<u> </u>						
	T	DOCUMENT	FOREIGN	N PATENT DOCUM	MENTS	r	SUB-	TDANG	LATION
•		NO.	DATE	COUNTR	ťΥ	CLASS	CLASS	YES	NO NO
low	ВА	6-314176	11/1994	Japan				Abstract only	
	BB	8-287654	11/1996	Japan				Abstract only	
	BC	10-50034	2/1998	Japan				Abstract only	
	BD	10-92155	4/1998	Japan				Abstract only	
4	BE	10-143978	5/1998	Japan			_	Abstract only	
COEV	BF	8-340507	12/1996	Japan				Abstract only	
			•						
OTHER RE	FERE	NCES (Including	Author, Tit	tle, Date, Pertiner	nt Pages, E	Ētc.)		TRANS	NO NO
Coso	BG Japanese Office Action for Japanese Application No. 2000-321764, dated September 2, 2003.							X	
EXAMINER				DATE (	CONSIDER	₹ED			· · · · · · · · · · · · · · · · · · ·
	CHRISTOPHER QUIARU 10/3/06								
				er or not citation is in a lude copy of this form					ough

		ATTACHMENT 1(f)
	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	
LIST OF COPENDING APPLICATIONS	Seong-jin MOON et al.	
	FILING DATE 11410V	GROUP ART UNIT

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS** 

EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
low	1	09/592,109	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
600	2	09/592,110	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
600	3	10/020,979	December 19, 2001	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
loso	4	10/137,366	May 3, 2002	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	5				
	6				
	7				
	8	·			

EXAMINER	DATE CONSIDERED
CHRISTOPHER ONUAKU	10/3/06
EXAMINER: Initial if reference considered, whether or not citatic citation if not in conformance and not considered. Include copy of	on is in conformance with MPEP 609; Draw line through this form with next communication to applicant.



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 1

1293.1073C2

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

January 14, 2004

**U.S. PATENT DOCUMENTS** 

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
Jan D	AA	5,555,098	09/1996	Parulski			
brev	AB	5,838,967	11/1998	Okayama et al.			
	AC						
	AD						

**FOREIGN PATENT DOCUMENTS** 

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
lesso	AE	EP 0545446 A1	06/1993	Europe		
1	AF	JP 64-048285	02/1989	Japan		Х
	AG	JP 01-204163	08/1989	Japan		Х
	АН	JP 01-263714	10/1989	Japan		Х
	Al	JP 06-020443	01/1994	Japan		Х
V	AJ	JP 06-076031	03/1994	Japan		Х
leun	AK	JP 08-036519	02/1996	Japan		Х

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)					
Soo	AL	Office Action issued in Japanese Patent Application No. 2004-134025 on May 9, 2006.			

EXAMINER	DATE CONSIDERED
CHRISTOPHER ONUAKU	Le/≥/06
*EXAMINER: Initial if reference considered, whether or not citation if not in conformance and not considered. Include copy of	ation is in conformance with MPEP 609. Draw line through of this form with next communication to applicant



# EXPLANATIONS OF RELEVANCY OF REFERENCES

	ATTACHMENT 1(e)
ATTORNEY DOCKET NO.	APPLICATION NO.
1293.1073C2	10/756,422
FIRST NAMED INVENTOR	
Seong-jin MOON et al.	
FILING DATE	GROUP ART UNIT
January 14, 2004	2621

Reference AE (EP 0545446 A1) and AA (U.S. 5,555,098) are substantially equivalent to reference AI (JP 06-020443).

\* Reference AB (U.S. 5,838,967) is substantially equivalent to reference AJ (JP 06-076031).